



Ctek Series M4200E EVDO Rev A Router

Ctek's Series M4200E SkyRouter brings the broadband performance of EVDO and a built in GPS receiver to the legendary SkyRouter platform. The Series 4200 reliably extends your IP network by replacing wired solutions for primary connections, and as a back up network when failures aren't an option. SkyRouter is a completely self-contained industrial strength IP router based on the reliable Linux operating system and a tightly coupled, always available EVDO Rev A WAN interface with 1xRTT fallback. SkyRouter's extensive IP networking capabilities

and detailed status screens are all available through an intuitive web based interface so that your application will be online within minutes after powering up. Like all SkyRouter products the 4200 comes standard with Ctek's unique TCO Plus feature set, the wireless industries' first and only complete solution specifically designed to reduce the ongoing operational costs inherent in industrial wireless networks.

Platform

- Linux 2.6 OS
- GPS
- IPsec available as an option
- HTTP, FTP, and Telnet Access
- Remote (WAN) Management – Can be disabled

Router

- DHCP Server
- DHCP Client
- NAT – Can be disabled
- Port Forwarding

CDMA 1xRTT/EV-DO WAN Interface

- Packet transmission at air interface speed
- Dynamic or Static Wireless Network Addressing
- DNS - Preset or from Wireless network
- SMS – Two-Way Built In Command Set
- DDNS (BIND, Windows Server, or EW/UDP)
- OTA/IOTA Activation—Web Based
- IPsec (option) for secure communications

SkyRouter 4200E Back



- Reliable Linux OS
- EVDO/1xRTT WAN Interface
- Built in GPS receiver
- WAN—Always Available or On Demand
- Integrated 4-Port Ethernet Switch
- Relay Contact Input
- Relay Driver Output
- 2-Way SMS
- Web Based Administration Remote/Local

SkyRouter 4200E Front



- IPsec available
- VPN Pass Through
- TCO Plus
 - ⇒ Over The Air Firmware Upgrades
 - ⇒ Over The Air Status
 - ⇒ Detailed Network Logging
 - ⇒ Out Of Band (SMS) Control
 - ⇒ Push Button Configuration
 - ⇒ Built In DDNS Capabilities



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Specifications

GPS Receiver—standard
IPsec—available

Wireless WAN

Physical

SMA Antenna connector

Radio Interface

Radio—Sierra MC5727
EVDO Rev A - 800/1900MHz
1xRTT - 800/1900MHz
SMS—MO/MT

LAN

Physical

4-Port Ethernet—RJ45

Electrical

Auto, Full or Half Duplex
10 or 100 base T—Auto polarity sensing

Discrete I/O

Contact Closure (Input)

Self powered current limited loop—Maximum cable length 50 feet

Relay Driver (Output)

40ma @ 12VDC

Power and Environmental

Operating and Storage Temperature Range

-30C to +70C Humidity 90% non-condensing

Input Power

9 - 24 VDC

Power Consumption @12VDC

Radio Dormant - Ethernet connected - 106ma
Radio Transmitting - Ethernet connected - 160ma

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